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To	Assistant Commissioner For Patents	Location
cc		Fax
From	Setsuko Kawashima, Intellectual Property Law Schlumberger K.K.	Date
Subject	Information Disclosure Statement	Pages (inc)

Dear Sirs,

Please find the attached.

Yours truly,



Setsuko Kawashima
IP Administrator
Intellectual Property Law
Schlumberger K.K.

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FROM SCHLUMBERGER K. K. IP Legal

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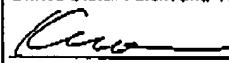
11:47/ST. 11:46

P002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: T.J. Plona § DOCKET NO.: 26,0273 US
§
§
§
§
S SERIAL NO: 10/789,210 § GROUP ART UNIT: 3663
§
§
§
§
FILED: February 27, 2004 §
§
§
§
TITLE: Slowness-Frequency Projection § EXAMINER: Unknown
Display and Animation §

VIA FACSIMILE: 1-703-872-9306

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. 1.8	
I hereby certify that this correspondence (along with any document referenced as being attached or enclosed hereto) is being facsimile transmitted to the United States Patent and Trademark Office on this date	
	June 7 2005
Setsuko Kawashima	Date

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

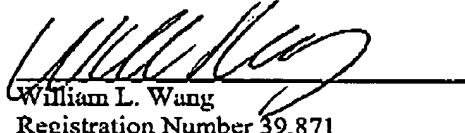
The following documents on the Form PTO-1449 are submitted to the United States Patent and Trademark Office under provisions of 37 CFR 1.97-1.98. A copy of each reference except US patents and publication is enclosed.

In accordance with 37 C.F.R. § 1.97, Applicant hereby states that some items of information contained in this Information Disclosure Statement were cited in the International Search Report issued on May 10, 2005. A copy of the International Search Report is also attached.

This statement is submitted prior to a first Office Action on the merits of the application.

Please charge any necessary fees to the deposit account for Schlumberger K.K., Account No. 50-1122.

Respectfully Submitted,


William L. Wang
Registration Number 39,871

Date: June 7, 2005

Schlumberger K.K.
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PTO/SB/088 (04-03)

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Substitute for Form 1440WPTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Use as many sheets as necessary

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Complete if Known	
Application Number	10/789,210
Filing Date	February 27, 2004
First Named Inventor	T.J. Plona
Art Unit	3663
Examiner Name	Unknown
Attorney Docket Number	26.0273 US

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code* Number * Kind Code* (# known)				

EXAMINER'S SIGNATURE _____ **DRAWN CONSIDERED** _____
"EXAMINER: Indicate if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the right of the Examiner must precede the serial number of the patent document. 5 Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 If possible. 6 Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comment on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number		10/789,210	
		Filing Date		February 27, 2004	
		First Named Inventor		T.J. Plona	
		Art Unit		3663	
		Examiner Name		Unknown	
Sheet	2	of	2	Attorney Docket Number	26.0273 US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		T.J. Plona, M.R. Khan, B. Sinha and J. Walsh, "Evaluating Stress-Induced Anisotropy and Mechanical Damage From Cross-Dipole Sonic Data Using Dispersion Analysis", SPE/ISRM 78233, 2002		
		C.V. Kimball, T.L. Marzetta, "Semblance processing of borehole acoustic array data", Geophysics Vol. 49, No. 3, pp. 274-281, 1984		
		Lang, S.W., Kurkjian, A.L., McClellan, J.H., Morris, C.F., and Parks, T.W., "Estimating slowness dispersion from arrays of sonic logging waveforms", Geophysics, 52, pp. 530-544.		
		Sinha, B.K., Norris, A.N., and Chang, S.K., "Borehole flexural modes in anisotropic formations", Geophysics, 59, pp. 1037-1052.		
		Brie, A., Kimball, C.V., Paben, J., and Salki, Y., 1997, "Shear slowness determination from dipole measurements", 38th SPWLA Ann. Inter. Symp.		
		Endo, T., Pistre, V., Brie, A., 1999, "Optimum Slowness Evaluation from Sonic Waveform Data", 5th Well Logging Symp. of Japan.		
		Plona, T., Sinha, B., Kané, M., Shenoy, R., Bose, S., Walsh, J., Ikogami, T., Endo, T., Skelton, O., "Mechanical Damage Detection and Anisotropy Evaluation using Dipole Sonic Dispersion Analysis", 2002, 43th SPWLA Ann. Inter. Symp., Paper KK		
		Lu, C.C. and Liu, Q.H., 1995, "A three-dimensional dyadic Green's function for elastic waves in multipllayer cylindrical structures," J. Acoust. Soc. Am., v.98, pp. 2825-2835.		
		Sinha, B.K., As vadurov, S., 1990, "Higher-order modes in a fluid-filled borehole", 1990, IEEE Int'l. Ultrasonics Symp. Proc., v. 2, pp. 1115-1120.		
		Sinha, B., Kosteck, S., Plona, T.J., Chang, S.K., 1992, "Axisymmetric wave propagation in fluid-loaded cylindrical shells", Part I, J. Acoust. Soc. Am., 92, pp. 1132-1143.		

Examiner Signature	Date Considered
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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